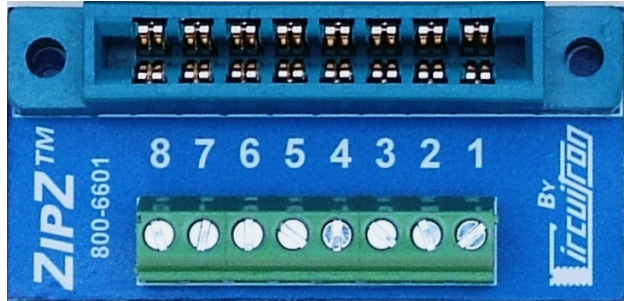


**NEW PRODUCT ANNOUNCEMENT**

**ZIPZ™**

**Solderless Connection System  
 for the  
 TORTOISE™ and SMAIL™**



*Photo is 50% Larger than actual size*

In 1984, Steve Worack, the owner/president of Circuitron, Inc., designed and constructed the first TORTOISE™ Slow Motion Switch Machine and the model railroad switch machine industry was forever changed. Over the years, the TORTOISE™ has become the most recommended and respected switch machine on the market and after our patent expired, a number of other manufacturers copied the features, design or appearance of the machine in an attempt to capitalize on our popularity. But there is still only one TORTOISE™ and more recently, the DCC decoder equipped SMAIL™ version..... and all the others are still just.....copies.

However, there was a quirk in the original TORTOISE™ design. Because of an overlooked design issue with the stamping die needed to punch out our circuit boards, the width of our board extending from the machine needed to be undersized by about 0.1" by industry standards. So, although it would fit an industry standard edge connector, there was some extra room at each side in the connector which created a condition where the connector could be shifted to one side (or the other), possibly creating a bridging of the conductors on the board. Although this would not likely damage the TORTOISE™, it could destroy the power supply or LEDs wired to it. For this reason, CIRCUITRON chose not to sell mating edge connectors over the years. But other manufacturers added connectors to their lines and in at least one case had special connectors tooled to exactly fit the undersized TORTOISE™ board.

In early 2020, we changed suppliers on our TORTOISE™ circuit board and in the process, modified the design to comply with industry standards. And now that we are "standard", we have decided to offer our own solderless connection system. Because it is SO quick and easy to use, we are calling it ZipZ™. Now layout wiring can be easily connected to the ZipZ™ terminal block and then the edge connector simply slides onto the TORTOISE™ or SMAIL™ circuit board. No soldering necessary to the machine. ZipZ™ also fits the older TORTOISE™ circuit boards (the tan ones). Available in a single piece package, a cost saving 6 pack and for even more savings, a 6 piece do-it-yourself kit version where soldering IS required..... but not to the switch machine.

**Available  
 March 2022**

800-6601	ZipZ™	Pkg. 1	\$5.95
800-6606	ZipZ™	Pkg. 6	\$32.95
800-6616	ZipZKIT™	Pkg. 6	\$27.95
Parts Only—Not Assembled—Soldering Required			